

DETAILED ACTION

This Office Action is in response to applicants remarks filed on July 28, 2010.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Loren K. Thompson, Ph.D. on August 12, 2010.

The application has been amended as follows:

In claim 1, line 24, after "formed", "on" has been deleted and --directly on and in direct contact with-- has been inserted therein.

In claim 1, line 25, after "layer", --; wherein the external connection terminal is a solder ball or solder bump-- has been inserted.

In claim 2, line 25, after "formed", "on" has been deleted and --directly on and in direct contact with-- has been inserted therein.

In claim 2, line 26, after "layer", --; wherein the external connection terminal is a solder ball or solder bump-- has been inserted.

In claim 16, line 22, after "formed", "on" has been deleted and --directly on and in direct contact with-- has been inserted therein.

In claim 16, line 23, after "layer", --; wherein the external connection terminal is a solder ball or solder bump-- has been inserted.

Allowable Subject Matter

Claims **1-3, 5-12 and 16-21** are allowed.

The following is an examiner's statement of reasons for allowance: Claims **1- 3, 5-12 and 16- 21** are allowable because prior art does not disclose alone or in combination with the limitations of the independent claims 1, 2 and 16 such as **"an external connection terminal being formed directly on and in direct contact with the rewiring layer; wherein the external connection terminal is a solder ball or solder bump"** (claims 1, 2 and 16).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Telly D. Green whose telephone number is 571-270-3204. The examiner can normally be reached on Monday thru Friday 7:30 AM - 5:00 PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zandra Smith can be reached on 571-272-2429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Zandra V. Smith/
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/Telly D Green/
Examiner, Art Unit 2822
August 13, 2010